



# Weekly Construction Report

## Hatchery Creek Design/Build Project



|  |   |                    |      |
|--|---|--------------------|------|
| <b>Time Period:</b>  | November 2-8, 2014  | <b>Project No:</b> | 1305 |
| <b>Rain Days/Weather Conditions:</b>                         | Rained 1.4" on Wednesday. (Burkesville gauge).  |                    |      |
| <b>Personnel on-site:</b>                                    | <i>EcoGro/Ridgewater:</i> Tony Berry, Tom Cutter, Eric Dawalt, Jon Linder, Brad Redmon, & Chad Relinski.<br><i>Stantec:</i> George Athanasakes (Wednesday for Monthly Progress Meeting)   |                    |      |
| <b>Equipment on-site:</b>                                    | Komatsu PC 160 w/ hyd. thumb, PC 360 w/ hyd. thumb, Terex TA27 articulating dump truck, Bobcat T300 skid steer.   |                    |      |
| <b>Material deliveries to project site:</b>                  | <ul style="list-style-type: none"> <li>N/A</li> </ul>   |                    |      |
| <b>Work performed this week:</b>                             | <ul style="list-style-type: none"> <li>On Monday and Tuesday, finished installing the "U"-shaped, compacted clay core centered on the proposed migration barrier, which is designed to prevent groundwater seepage from the Public Fishing Area (PFA) stream into the ravine. It was extended down to bedrock in the section under the proposed migration barrier (in the bottom of the "U") and on the LT side. It was built up to ~elevation 588'.</li> <li>Due to rain Wednesday, the ravine fill was too wet to work on the rest of the week.</li> <li>Cleared remaining trees (except for a few small trees near the river), and moved all tree piles from Site #3.</li> <li>Started moving tree piles off of Corps Excavation Site #1.</li> </ul> |                    |      |
| <b>Erosion &amp; sediment controls installed/maintained:</b> | <ul style="list-style-type: none"> <li>❖ Installed rock check dams near downstream end of ravine fill.</li> <li>❖ Installed temporary seed and straw on remaining disturbed areas along temporary diversion and ravine.</li> </ul>  |                    |      |
| <b>Work scheduled for next week:</b>                         | <ul style="list-style-type: none"> <li>⚡ Continue excavating for floodplain and channel upstream of Campground Road (113+00 to 116+80) and haul clay to ravine.</li> <li>⚡ Finish compacted clay fill in ravine stream crossing ~LT Sta. 106+00 to 106+60 up to elevation 581'.</li> <li>⚡ Build ravine rock spillway from plunge pool (~180' LT) up to 581'.</li> <li>⚡ Fill sinkhole in ravine with rock up to bedrock step elevation and then add a layer of geotextile and compacted clay.</li> <li>⚡ Start building confluence bar downstream of bridge.</li> <li>⚡ Continue delivering boulders for step pools and start delivering 18" D50 rock for step pools as weather allows.</li> </ul>   |                    |      |
| <b>Work planned for two weeks ahead:</b>                     | <ul style="list-style-type: none"> <li>⚡ Construct channel from ~Sta. 110+00 to 116+80.</li> <li>⚡ Continue delivering boulders and 18" D50 rock for step pools as weather allows.</li> </ul>   |                    |      |
| <b>General Comments:</b>                                     | <ul style="list-style-type: none"> <li>➤ The rain this week prevented working on the ravine fill after Tuesday.</li> <li>➤ Aspen Construction, the USACE excavation contractor, is planning to start excavating next week on Site #2.</li> </ul>  |                    |      |
| <b>Prepared by:</b> Eric Dawalt, P.E.                        | <b>Date:</b> 11-8-14  |                    |      |



# Weekly Construction Report

## Hatchery Creek Design/Build Project



Pictures from the past week's construction:



***Compacted clay built up to ~elevation 588' as part of "U"-shaped compacted clay core/groundwater dam at proposed migration barrier location (Photograph was taken looking across future channel and migration barrier location from LT Sta. 105+85).***



***Moving tree piles from Corps Excavation Site #1. They are being stacked outside of the excavation area, and will be used later in the stream construction.***





# Weekly Construction Report

## Hatchery Creek Design/Build Project



***Remaining trees were cleared on Corps Excavation Site #3. Aspen Construction had the centerline of the step pool reach staked out. The stake in the foreground shows a cut of 29.30'. (Photograph was taken from the gravel road looking upstream at ~Sta.157+50).***



***All but a few trees were cleared along the bank of the Cumberland River on Corps Excavation Site #3. The stake in the foreground shows a 32' cut; the deepest cut is 36' on the knob by the river in the background. (Photograph taken at ~Sta. 158+00 looking downstream).***